

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 08-257043

(43)Date of publication of application : 08.10.1996

(51)Int.Cl.

A61C 17/22

A46B 13/02

(21)Application number : 07-104526

(71)Applicant : NIDAI SEIKO:KK

(22)Date of filing : 24.03.1995

(72)Inventor : OTA YUKIO

## (54) MOTOR-DRIVEN TOOTHBRUSH

(57)Abstract:

PURPOSE: To provide a motor-driven toothbrush by which one's teeth can be effectively brushed even with simple constitution by emphasizing vibration of the brush in the necessary direction.

CONSTITUTION: An electric motor 5 where an eccentric weight 7 is installed on a rotary shaft is built in a main body part 1. An installing hole 31 of a replaceable brush 15 having a shaft part 3 and a brush head part 2 in which bristles 12 are implanted in the specific direction, is fitted to and installed on an installing protrusion 21 protrusively arranged in the main body part 1. A flat part 4 flat in the direction almost orthogonal to the implanting direction of the bristles 12 is arranged in the shaft part 3.

